

To: Christner, Jan[Jan.Christner@WestonSolutions.com]
Cc: Patureau, Jen[Jen.Patureau@WestonSolutions.com]; Way, Steven[way.steven@epa.gov]
From: Matt Francis
Sent: Fri 9/5/2014 8:53:33 PM
Subject: RE: NaOH Estimates

Thanks. I was thinking about this and the need to order NaOH for GK. For next week we have about 400gal staged at the site. Looks like that will be enough if the work goes as planned.

Sent via the Samsung Galaxy Note® 3, an AT&T 4G LTE smartphone

----- Original message -----

From: "Christner, Jan"
Date: 09/05/2014 2:50 PM (GMT-07:00)
To: Matt Francis
Cc: "Patureau, Jen" ,way.steven@epa.gov
Subject: NaOH Estimates

Hi, Matt.

Jen did the titration on the Gold King water. The following NaOH requirements are based on 25% NaOH solution. If we have 50% solution, we will need half as much. These are estimates based on achieving pH7 (we may be able to settle solids at lower pH) and consistent flow rates (actual flow rates may change as work progresses).

Gold King

Red & Bonita

25% NaOH feed rate (L/min)

0.54

1.25

Flow rate (gpm)

75

300

Hours/day

10

10

Days/week

6

3

Volume 25% NaOH per week (gal/week)

513

594

Let me know if you have questions. I'll be in Silverton Sunday evening and start work Monday morning. 8 am?

Jan

Jan Christner
Weston Solutions, Inc.
505-269-1925 (cell)

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